

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. MFL-003

First Named Inventor Yu

Title APPARATUS AND METHODS FOR PERFORMING
PROCESS SIMULATION USING A HYBRID
MODEL

APPLICATION ELEMENTS

1. ☒ Fee Transmittal Form (with copy)
2. ☒ Small Entity Status
☒ Applicant claims small entity status
☐ Status established in prior application and is still proper and desired
3. ☒ Specification and Drawings [Total Pages **83**]
- Written Description - (**55** pages)
- Claims - (**11** pages)
- Abstract - (1 page)
- Sheets of Drawings - (**16** sheets)
☒ Formal
☐ Informal
4. ☐ Oath or Declaration [Total Pages]
a. ☐ Newly executed (original)
b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
5. ☐ Incorporation by Reference (usable if Box 4b is checked)
The entire Disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☒ Application Data Sheet (2 pgs.)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission
☐ Computer Readable Form (CRF)
☐ Paper Copy (identical to computer copy)
☐ CD (2 copies) (identical to computer copy)
☐ Statement verifying identity of above copies

ADDRESS TO: Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

ACCOMPANYING APPLICATION PARTS

8. ☐ 37 CFR 3.73(b) Statement (*when there is an assignee*)
☐ Power of Attorney
9. ☐ English Translation Document (*if applicable*)
10. ☐ Information Disclosure Statement (IDS)/PTO-1449
☐ Copies of IDS Citations
11. ☐ Preliminary Amendment
☐ Drawings [Total Sheets]
12. ☒ Return Receipt Postcard (*specifically itemized*)
13. ☐ Certified Copy of Priority Document(s) (*if foreign priority claimed*)
14. ☐ Nonpublication Request Under 35 U.S.C. 122(b)
15. ☐ CD in duplicate for large table or computer program
16. ☒ Other:
• Petition For Use of Color Drawings as Formal Drawings Under 37 C.F.R. § 1.84(a)(2) (2 pgs.)
• 3 sets of color drawings (6 sheets)
• one set of black and white photocopies of color drawings (2 sheets)

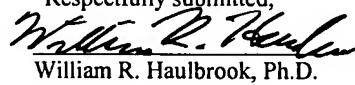
17. ☐ If a CONTINUING APPLICATION: Amend the specification by inserting on page 1, before the first line, the sentence:
--This is a
☐ continuation ☐ divisional ☐ continuation-in-part of prior application Serial No. / , filed on , , the
entire disclosure of which is incorporated by reference herein.--
Priority to the above application(s) is claimed under 35 U.S.C. 120.
Prior application information: Examiner: . Group/Art Unit: .

18. ☒ Priority - 35 U.S.C. 119
☒ Priority of application Serial No. 60/445,182 filed on February 5, 2003 in U.S. is claimed under 35 U.S.C. 119.

CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
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High Street Tower
125 High Street
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Customer No. 021323

SIGNATURE BLOCK

Respectfully submitted,

William R. Haulbrook, Ph.D.
Attorney for Applicants
Testa, Hurwitz & Thibault, LLP
High Street Tower
125 High Street
Boston, MA 02110

Date: February 4, 2004
Reg. No.: 53,002
Tel. No.: (617) 310-8427
Fax No.: (617) 248-7100

FEE TRANSMITTAL **FY 2004**

Complete if Known

Application Serial Number	Not yet assigned
Filing Date	Herewith
First Named Inventor	Yu
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket No.	MFL-003

METHOD OF PAYMENT

1. ☒ Payment Enclosed:
☒ Check ☐ Money Order ☐ Other

2. ☒ The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531.
☐ Required Fees (copy of this sheet enclosed).
☒ Additional fee required under 37 CFR 1.16 and 1.17.
☒ Overpayment Credit.

3. ☒ Applicant claims small entity status.

FEE CALCULATION**1. FILING FEE****Large Entity**

Fee (\$)	Fee Description	Fee Paid
770	Utility filing fee	\$ 770.00
340	Design filing fee	
160	Provisional filing fee	

	Number Filed	Number Extra	Rate	Amount
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Total Claims	84	- 20 = 64	x \$ 18.00	\$1,152.00
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Independent Claims	5	- 3 = 2	x \$ 86.00	\$172.00
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☐ Multiple Dependent Claim(s), if any \$290.00

TOTAL: \$2,094.00

SMALL ENTITY DISCOUNT: \$1,047.00

SUBTOTAL (1) (\$ 1,047.00)

2. AMENDMENT CLAIM FEES

Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid
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Total	-	=	x \$ 18.00 =	
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Indep.	-	=	x \$ 86.00 =	
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☐ First Presentation of Multiple Dep. Claim + \$290.00 =

TOTAL: (\$)

SMALL ENTITY DISCOUNT: (\$)

SUBTOTAL (2) (\$ 0)

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	
50	25	Surcharge - late provisional filing fee or cover sheet	
130	130	Non-English specification	
2,520	2,520	Request for ex parte reexamination	
110	55	Extension for reply within first month	
420	210	Extension for reply within second month	
950	475	Extension for reply within third month	
1480	740	Extension for reply within fourth month	
2010	1005	Extension for reply within fifth month	
330	165	Notice of Appeal	
330	165	Filing a brief in support of an appeal	
290	145	Request for oral hearing	
130	130	Petitions to the Commissioner	\$ 130.00
180	180	Submission of Information Disclosure Statement	
770	385	Filing a submission after final rejection (37 CFR 1.129(a))	
770	385	For each additional invention to be examined (37 CFR 1.129(b))	
100	100	Certificate of Correction for applicant's error	
110	55	Submission of Terminal Disclaimer	
Other fee (Specify)			
Other fee (Specify)			

SUBTOTAL (3) (\$ 130.00)

SUBTOTAL (1) \$1,047.00

SUBTOTAL (2) 0

SUBTOTAL (3) 130.00

TOTAL (\$ 1,177.00)

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William R. Haulbrook
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PATENT
Attorney Docket No.: MFL-003
(5407/9)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Yu *et al.*
SERIAL NO.: Not yet assigned GROUP NO.: Not Yet Assigned
FILING DATE: Herewith EXAMINER: Not Yet Assigned
TITLE: APPARATUS AND METHODS FOR PERFORMING PROCESS
SIMULATION USING A HYBRID MODEL

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**PETITION FOR USE OF COLOR DRAWINGS AS FORMAL DRAWINGS
UNDER 37 C.F.R. § 1.84(a)(2)**

Applicants submit this petition to request acceptance of color drawings as formal drawings in the above-referenced U.S. patent application. As required under 37 C.F.R. § 1.84(a)(2), Applicants herein include:

- the fee set forth in § 1.17(h);
- three (3) sets of color drawings; and
- a black and white photocopy that accurately depicts, to the extent possible, the subject matter shown in the color drawings.

The paragraph required by § 1.84(a)(2)(iv) is already present in the Brief Description of the Drawings section of the Specification of the above-referenced U.S. patent application.

In accordance with § 1.84(a)(2) and § 1.17(h), this petition is accompanied by a check for the petition filing fee of \$130.00. However, should any other fees be required for this petition to

be considered, the Commissioner is authorized to charge deposit account number 20-0531.

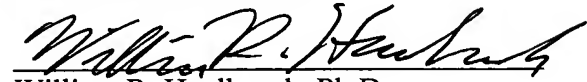
Applicants submit that all requirements of 37 C.F.R. § 1.84(a)(2) and § 1.17(h) are satisfied, and Applicants respectfully request that the color drawings be accepted as formal drawings in the above-referenced nonprovisional U.S. patent application.

Date: February 4, 2004
Reg. No.: 53,002

Tel. No.: (617) 310-8427
Fax No.: (617) 248-7100

3014278

Respectfully submitted,


William R. Haulbrook, Ph.D.
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